S
553.28
O12
Jan.1974
SHELVED WITH PERIODICALS

Montana State Library
3 0864 1006 0346 6

APR 2 1974

MONTANA OIL AND GAS STATISTICAL BULLETIN

ADMINISTRATORS

DONALD E. CHISHOLM, ADMINISTRATOR
P. O. BOX 217
HELENA, MONTANA 59601

DONALD A. GARRITY, ATTORNEY
1721 ELEVENTH AVENUE
HELENA, MONTANA 59601

JUDSON D. SWEET, PETROLEUM ENGINEER
15 POLY DRIVE
BILLINGS, MONTANA 59101

HERBERT D. HADLEY, GEOLOGIST
15 POLY DRIVE
BILLINGS, MONTANA 59101

BOARD MEMBERS

R. A. CAMPBELL, CHAIRMAN
1222 N. 27TH STREET
BILLINGS, MONTANA 59101

C.J. IVERSON, VICE CHAIRMAN
WHITLASH, MONTANA 59545

MILTON G. ANDERSON
P. O. BOX 73
SIDNEY, MONTANA 59270

PAUL C. BUNN
WESTLAND BLDG.
CHESTER, MONTANA 59522

JOHN P. MOORE
P. O. BOX 997
CUT BANK, MONTANA 59427

BOARD OF OIL AND GAS CONSERVATION
SAVINGS BLDG.
HELENA, MONTANA 59601

Vol. XXII, No. 1 **JANUARY, 1974**

Production of crude oil and condensate from the oil and gas areas of Montana for the month of January, 1974, averaged 94,850 barrels daily, a decrease of 1,471 barrels from the average December production of 96,321.

The nine refineries in the state processed 135,644 barrels of crude oil daily for the month of January, 1974, a decrease of 34,155 barrels from the 169,799 barrels processed daily during the month of December.

During January, 91 wells were completed, 9 oil, 22 gas and 60 dry holes.

During January, the commission issued 37 permits to drill new wells, a decrease of 7 from the 44 permits issued during December.

SUMMARY OF CRUDE PRODUCTION, REFINING, STORAGE, ETC., IN MONTANA

MONTH OF JANUARY, 1974

IN STORAGE January 1st	
By Producers	313,272
By Transporters	1,326,148
By Refiners	1,014,438
TOTAL STORAGE	2,653,858
Produced in Montana During Month	2,907,182
Imported During Month	3,491,768
TOTAL	9,052,808
DISPOSITION:	
Refined in Montana	4,204,943
Exported	2,297,234
Used for Fuel or Lost	9,387
TOTAL	6,511,564
In STORAGE January 31st	
By Producers	317,676
By Transporters	1,327,637
By Refiners	895,931
TOTAL STORAGE	2,541,244

NATURAL AND ASSOCIATED GAS WITHDRAWALS IN MONTANA

Month of January, 1974

Field	M. C. Ft.
NATURAL:	
Big Coulee	169,864
Black Coulee	21,917
Blackjack	51,900
Bowdoin	487,889
Bowes	49,331
Cedar Creek	2,482,019
Ethridge	275,925
Dry Creek	40,788
Cut Bank (including Reagan)	1,216,820
Flat Coulee	11,896
Grandview	11,031
Hardin	1,661
Keith Block	152,155
Kevin Sunburst	52,814
Lake Basin	37,283
Liscom Creek	30,212
Middle Butte	2,692
Mt. Lilly	17,124
Plevna	6,175
South Devon	15,573
Shepard	151,566
Tiger Ridge	2,056,069
Trail Creek	10,992
Utopia	58,068
West Butte	108,232
Whitlash	68,889
ASSOCIATED:	
Bell Creek	64,129
Brush Lake	488
Cabin Creek	63,546
Elk Basin	34,578
Fairview	38,175
Pine	44,619
Richland	53,575
Tule Creek	10,990
TOTAL	7,898,985

Total Withdrawals for January, 1973, were 6,322,625.

MONTANA STATE LIBRARY
930 East Lyndale Avenue
Helena, Montana 59601

PRODUCERS REPORT — MONTH OF JANUARY, 1974

Leases	Field	No. of Wells	Storage First of Month	Oil Produced	Oil Shipped By		Used or Lost	Storage End of Month
					Pipeline	Truck		
3	Ash Creek	3	155	890		902		143
1	Bainville	1	2,283	1,877		1,827		2,333
3	Bear's Den	6	925	949		172		1,702
17	Bell Creek	240	20,557	769,543	767,738		8	22,354
....	Benrud		281					281
2	Benrud East	2	1,357	7,710	7,616			1,451
1	Benrud Northeast	1	615	1,882	1,340			1,157
....	Berthelote		287					287
4	Big Wall	13	965	5,329	5,317			977
3	Blackfoot	3	433	1,484	1,515			402
2	Border	7	2,928	470		623		2,775
1	Bowes	45	6,415	8,502	8,195			6,722
1	Bradley	1	450	553	761			242
4	Brorson-Madison	4	985	2,830	2,714			1,101
5	Brorson-Red River	5	6,937	8,201	8,816			6,322
3	Brorson-Red River South	3	1,688	7,937	7,074			2,551
6	Brush Lake	6	2,114	13,285	13,762			1,637
1	Burns Creek	1	705	2,008		2,159		554
2	Cabin Creek	85		203,867	203,867			
1	Canal	1	654	5,379		5,183		850
9	Cat Creek	40	2,383	12,756	12,339			2,800
....	Chelsea Creek		284					284
....	Clark's Fork		12					12
1	Clark's Fork South	1	100	447		417		130
2	Cow Creek	2	327	515		473		369
4	Cow Creek East	5	1,746	16,734		17,722		758
1	Culbertson	1	102	167		172		97
3	Cupton	6	4,281	7,156	4,966	1,968		4,503
121	Cut Bank	855	54,423	326,890	294,539	32,171		54,603
....	Dean Dome		65					65
1	Deer Creek	1	272	8,472	8,261			483
....	Delphia		189					189
....	Devil's Basin		496					496
2	Dwyer	10	3,939	10,465	10,682			3,722
3	Elk Basin	48	641	112,506	112,523			624
4	Elk Basin Northwest	7	1,613	2,266	1,985			1,894
5	Fairview	9	9,296	28,481	12,253	17,532		7,992
2	Fertile Prairie	2	529	1,053		1,013		569
3	Flat Coulee	21	2,042	10,611	10,098		13	2,542
36	Flat Lake	52	3,078	55,101	54,379			3,800
6	Flat Lake South	6	830	7,227	7,417			640
1	Four Buttes	1	440	404		440		404
1	Ft. Gilbert	2	702	11,496	11,745			453
1	Frannie	1		744		744		
7	Fred & George Creek	25	1,940	44,928	44,904			1,964
1	Froid South	1	257	343		191		409
1	Gage	1	250	171		361		60
2	Gas City	16	4,867	22,406	17,483	2,613		7,177
1	Girard	1	1,328	1,211		1,545		994
11	Glendive	14	1,540	21,468	21,545			1,463
10	Goose Lake	28	3,204	23,441	22,677			3,968
10	Graben Coulee	30	7,443	12,561	8,700	3,169		8,135
1	Hay Creek-Mission Canyon	1	234	961	1,082			113
1	Hay Creek-Red River	1	510	5,341	5,296			555
4	Hiawatha	4	2,318	5,434	5,574		272	1,906
1	Hibbard	1	278	257				535
....	Injun Creek		266					266
5	Ivanhoe	11	1,609	2,685	2,914			1,380
2	Jim Coulee	19	3,171	33,090	32,782			3,479
7	Keg Coulee	20	4,652	13,967	12,406		221	5,992
2	Keg Coulee North	2	720	1,874	1,717			877
1	Kelley	3	815	4,686	4,607			894
53	Kevin Sunburst	285	10,846	15,608	14,083	1,627	2	10,742
8	Laird Creek	10	668	1,823		1,884		607
1	Landslide Butte	2	661	350				1,011
3	Leary	3	1,619	1,815		1,247	11	2,176
1	Little Beaver	23		39,230	39,230			
2	Little Beaver East*	10	715	11,516	10,897			1,334
1	Little Wall Creek	1	187	3,102	2,995			294
1	Lodge Grass	1	930	615		1,212		333
7	Lonetree Creek	7	5,244	21,299		21,461		5,082
3	Lookout Butte (Coral Creek)	30	675	53,329	53,526			478
1	Mason Lake	1	176	458	354			280
2	Melstone	3	860	1,993	1,978			875
1	Miners Coulee	1	503	240	425			318
1	Mineral Bench	1		252		252		
6	Monarch	12	3,467	11,311	9,501	1,790		3,487
4	Mosser	4		681		681		
1	Nohly	1	1,220	9,004		9,494		730
2	Otis Creek	2	752	1,706		1,175		1,283
5	Outlook	7	5,384	6,147	8,301			3,230
1	Outlook South	1	804	351				1,155
2	Outlook West	2	1,573	2,211	2,325			1,459
1	Pennel-Lookout Butte	107		199,954	199,954			
4	Pine	109	18,793	259,721	258,975			19,537
58	Pondera	247	4,598	21,055	21,762			3,891
6	Poplar	62	9,263	45,616	44,685			10,194
2	Poplar Northwest	3	888	842	250			1,480
....	Prairie Elk		474					474
1	Pritchard Creek	5	167	351	351			167
1	Putnam	2	470	5,208		5,329		349
3	Rabbit Hills	3	2,454	5,988		6,080		2,362
7	Ragged Point	16	4,088	14,207	14,575			3,720
2	Rattlesnake Coulee	2	425	350	210			565
4	Raymond	4	2,670	36,518	36,607		400	2,181
3	Reagan	44	932	15,011	14,808			1,135
1	Red Creek	19		13,147	13,147			
1	Red Fox	1	333	719	672			380
1	Redstone	1	261	662	370			553
....	Repeat		60					60
4	Reserve	4	885	4,572	4,846			611
1	Richey	1	213	462	429			246
1	Richey Southwest	5	556	884	851			589
1	Riprap Coulee	1	391	1,549	1,441			499
1	Rush Mountain	1	384	2,424	2,476			332
2	Salt Lake	3	390	3,250		3,250		390
2	Sand Creek	2	1,183	1,227	1,227			1,183
1	Second Creek	1	1,015	6,618		6,562		1,071
2	Sioux Pass	2	2,390	19,020	18,684			2,726
1	Snyder	3	966	412		946		432
8	Soap Creek	19	4,520	4,255		6,869		1,906
1	Spring Lake	2	1,046	1,091		1,565		572
3	Stensvad	8	3,421	36,340	36,874			2,887
16	Sumatra	82	19,867	104,671	104,032		562	19,944
5	Tule Creek	5	3,034	16,303		17,138		2,199
2	Tule Creek East	2	668	4,718		4,127		1,259
3	Tule Creek South	3	830	2,327		2,153		1,004
2	Vida	2	668	575	345	776		122
3	Volt	4	2,046	10,506	10,567			1,985
3	Weldon	3	1,138	5,310	5,167			1,283
1	West Butte	1		1,040		1,040		
13	Whiltash	38	6,737	11,217	11,083		738	6,133
....	Whitlash West		284					284
2	Willow Creek North	2	443	655	254			844
2	Wills Creek South	2		2,336	2,336			
3	Winnett Junction	3	770	8,892		9,065		597
2	Wolf Springs	2	519	1,215				1,734
1	Woodrow	1	407	1,196	1,249			354
2	Wright Creek	4	1,927	691				2,618
....	Wildcat, Blaine Co.		157					157
....	Wildcat, McCone Co.		37					37
1	Wildcat, Rosebud Co.	1		25				25
....	Wildcat, Toole Co.		294					294
625	TOTAL	2,914	313,272	2,907,182	2,703,431	197,120	2,227	317,676

Total Oil Produced and Shipped from Leases	Bbls. Produced	Daily Average	Bbls. Shipped	Daily Average
Year, 1973	34,620,182	94,850	34,617,999	94,844
January, 1974	2,907,182	93,780	2,900,551	93,566

Oil In Storage	In Producers Field Tanks	In Transporters Storage	In Refiners Storage**	Total Oil in Storage**
December, 1973	313,272	1,326,148	1,014,438	2,653,858
January, 1974	317,676	1,327,637	895,931	2,541,244

*Montana Oil Only **Includes Wyoming Oil

TRANSPORTERS REPORT — MONTH OF JANUARY, 1974

	Storage First of Month	Oil Received By			Loss or Gain	Oil Shipped To			Storage End of Month
		Pipeline	Truck	Connecting Carrier		Montana	Other States	Connecting Carrier	
ASH CREEK—Western Crude Oil Co.			902				902		
BAINVILLE—Koch Oil Company			1,827				1,827		
BEAR'S DEN—Truck			172				172		
BELL CREEK—Pipeline	57,810	767,738					478,178	297,414	49,956
BIG WALL—Continental Pipeline Co.		5,317				5,317			
BLACKFOOT—Camerland Cardinal Corp.		1,515						1,515	
BORDER—Permian Corp.			623					623	
BOWES—Texaco		8,195				8,195			
BRORSON-MADISON, BRORSON-RED RIVER AND BRORSON-RED RIVER SOUTH—Koch Oil Co.		18,604						18,604	
BRUSH LAKE—Portal Pipeline Co.		14,648					14,648		
BURNS CREEK—Western Crude Oil, Inc.			2,159				2,159		
CABIN CREEK AND OTHERS*—									
Butte Pipeline Co.	231,082	476,714	40,089	1,611,423			2,091,480		267,828
Shell Pipeline Co.	4,524	319,867			652			319,470	4,269
	235,606	796,581	40,089	1,611,423	652		2,091,480	319,470	272,097
CANAL—Koch Oil Co.			5,183				5,183		
CAT CREEK—Continental Pipeline Co.		13,267				13,267			
CLARK'S FORK AND CLARK'S FORK SOUTH—Permian Corp.			417				417		
COW CREEK AND COW CREEK EAST—Western Crude Oil, Inc.			18,195				18,195		
CULBERTSON—Spruce Oil Co.			172				172		
CUT BANK—									
Continental Pipeline Co.		561,512	8,214					569,726	
Phillips Petroleum Co.	46,972	104,473		49,190	1,062	150,681			48,892
Texas Pipeline Co.	20,850	32,290		66,520	1,933	101,765			15,962
Union Oil Co.	34,843	42,232			890	35,206			40,979
Western Oil Trans. Co.		26,149						26,149	
Western Oil Trans. Co. (Moulton)		146,468						146,468	
	102,665	913,124	8,214	115,710	3,885	287,652		742,343	105,833
DWYER—Portal Pipeline Co.		10,682					10,682		
ELK BASIN & ELK BASIN NORTH-WEST—Marathon Pipeline Co.		114,508				114,508			
FAIRVIEW—									
Fairview Pipeline Co.		12,253					12,253		
Koch Oil Co.			17,532				17,532		
		12,253	17,532				29,785		
FLAT COULEE—Camerland Cardinal Corp.		9,376				6,742		2,634	
FLAT LAKE AND FLAT LAKE SOUTH—Portal Pipeline Co.		59,116					59,116		
FT. GILBERT—Fairview Pipeline Co.		11,745					11,745		
FOUR BUTTES—Truck			440					440	
FRANNIE—Interstate Pipeline Co.			744				744		
FRED AND GEORGE CREEK—Camerland Cardinal Corp.	7,397	45,501				44,461			8,437
FROID SOUTH—Truck			191					191	
GAGE—Truck			361			361			
GIRARD—Koch Oil Co.			1,545				1,545		
GLENDIVE, DEER CREEK, WOODROW AND SAND CREEK—Texas Pipeline Co.	7,224	21,386			150			17,583	10,877
GOOSE LAKE—Portal Pipeline Co.		21,587					21,587		
HAY CREEK—Fairview Pipeline Co.		6,378					6,378		
HIAWATHA—Continental Pipeline Co.		5,574					5,574		
IVANHOE—Continental Pipeline Co.		2,914				2,914			
JIM COULEE—Continental Pipeline Co.		32,782						32,782	
KEG COULEE AND KEG COULEE NORTH—Continental Pipeline Co.		14,123				14,123			
KELLEY—Continental Pipeline Co.		4,607				4,607			
KEVIN SUNBURST—									
Big West Oil Co.	7,614			9,470		11,306			5,778
Homestake Oil & Gas Co.	1,752	2,240				2,579			1,413
Texas Pipeline Co.	11,268	5,872			221	3,161			13,758
	20,634	8,112		9,470	221	17,046			20,949
LEARY—Permian Corp.			1,247				1,247		
LODGE GRASS—Permian Corp.			1,212			1,212			
LONE TREE CREEK—Koch Oil Co.			21,461					21,461	
MASON LAKE—Continental Pipeline Co.		354				354			
MELSTONE—Continental Pipeline Co.		1,978				1,785	193		
MIDDLE WALL—Continental Pipeline Co.**		2,395						2,395	
MOSSER—Permian Corp.			681				681		
NOHLY—Koch Oil Co.			9,494				9,494		
OTIS CREEK—Western Crude Oil, Inc.			1,175				1,175		
OUTLOOK, OUTLOOK SOUTH AND OUTLOOK WEST—Portal Pipeline Co.		10,663					10,663		
PONDERA—Phillips Petroleum Co.	28,763	21,722			192	27,176			23,117
POPLAR, BENRUD, BENRUD EAST, RED FOX, REDSTONE—East Poplar Gathering System	8,612	53,713			319			56,112***	5,894
PUTNAM—Western Crude Oil, Inc.			5,329				5,329		
RABBIT HILLS—Koch Oil Co.			6,080				6,080		
RAGGED POINT—Continental Pipeline Co.		14,575				12,459	2,116		
RAYMOND—Portal Pipeline Co.		36,607					36,607		
RED CREEK—Western Oil Transportation Co.		22,364						22,364	
RESERVE—Portal Pipeline Co.		4,846					4,846		
RUSH MOUNTAIN—Sinclair Ref. Co.		1,441						1,441	
RIPRAP COULEE—Portal Pipeline Co.		2,476					2,476		
SALT LAKE—Koch Oil Co.			3,250				3,250		
SECOND CREEK—Koch Oil Co.			6,562				6,562		
SNYDER—Permian Corp.			946			946			
SOAP CREEK—Permian Corp.			6,869				6,869		
SPRING LAKE—Koch Oil Co.			1,565				1,565		
SUMATRA AND STENSVAD—Continental Pipeline Co.	854,179	136,796		3,000,771	1,638	127,388		3,034,609	828,111
TULE—CREEK—									
Spruce Oil Co.	3,258		21,264			22,156			2,366
Permian Corp.			2,154			2,154			
	3,258		23,418			24,310			2,366
WHITLASH AND WHITLASH WEST—Camerland Cardinal Corp.		12,007				9,263		2,744	
WINNETT JCT.—Truck			9,065			9,065			
TOTAL	1,326,148	3,241,570	197,120	4,737,374	7,057	733,151	2,859,642	4,574,725	1,327,637

*Cabin Creek, Cupton, Fertile Prairie, Gas City, Monarch, Repeat, Richey, Richey Southwest, Vida, Weldon and Wills Creek South.
**Little Wall Creek and Willow Creek North.
***Transferred to Butte Pipeline Company.

BARRELS OF CRUDE OIL REFINED IN MONTANA
MONTH OF JANUARY, 1974

	Big West Oil Co.	Continental Oil Co.	Diamond Asphalt Co.	Exxon Co.	Farmers Union	Jet Fuel Refinery	Phillips Petroleum Co.	Spruce Oil Co.	Westco Refining Co.	Total
Big Wall	.....	5,317	.....	.....	.....	.....	.....	.....	.....	5,317
Bowes	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Cat Creek	.....	2,200	.....	.....	10,077	.....	.....	.....	.....	12,277
Cut Bank	63,169	.....	.....	.....	.....	.....	115,295	.....	109,188	287,652
Elk Basin	.....	44,842	.....	34,419	35,247	.....	.....	.....	.....	114,508
Flat Coulee	.....	.....	.....	.....	.....	.....	.....	.....	6,742	6,742
Fred & George Creek	44,461	.....	.....	.....	.....	.....	.....	.....	.....	44,461
Ivanhoe	.....	2,914	.....	.....	.....	.....	.....	.....	.....	2,914
Keg Coulee	.....	12,711	.....	827	.....	.....	.....	.....	.....	13,538
Kelley	.....	.....	.....	4,607	.....	.....	.....	.....	.....	4,607
Kevin Sunburst	17,046	.....	.....	.....	.....	.....	.....	.....	.....	17,046
Lodge Grass	.....	1,212	.....	.....	.....	.....	.....	.....	.....	1,212
Mason Lake	.....	354	.....	.....	.....	.....	.....	.....	.....	354
Melstone	.....	.....	.....	.....	1,778	.....	.....	.....	.....	1,778
Pondera	.....	.....	.....	.....	.....	.....	27,176	.....	.....	27,176
Ragged Point	.....	8,346	.....	.....	2,726	.....	.....	.....	.....	11,072
Richey, Southwest	.....	.....	.....	.....	.....	.....	.....	1,972	.....	1,972
Snyder	.....	946	.....	.....	.....	.....	.....	.....	.....	946
Sumatra & Stensvad	.....	16,016	.....	3,125	75,068	.....	.....	.....	.....	94,209
Tule Creek	.....	.....	.....	.....	.....	.....	.....	36,498	.....	36,498
Whitlash	.....	.....	.....	.....	.....	.....	9,263	.....	.....	9,263
Winnett Jct.	.....	.....	.....	.....	9,065	.....	.....	.....	.....	9,065
Volt	.....	.....	.....	.....	.....	.....	.....	10,568	.....	10,568
Total Montana Oil	124,676	94,858	.....	42,978	133,961	.....	151,734	49,038	115,930	713,175
Canadian Oil Imported	.....	564,854	.....	423,908	468,288	.....	.....	2,574	.....	1,459,624
Wyoming Oil Imported	.....	1,001,729	.....	[1]730,258	300,157	.....	.....	.....	.....	[3]2,032,144
Total Montana, Canadian and Wyoming Oil	124,676	1,661,441	.....	[2]1,197,144	902,406	.....	151,734	51,612	115,930	[4]4,204,943

AVERAGE BARRELS PER DAY

	Montana	Canada	Wyoming	Total
Year 1973	26,563	43,474	69,599	139,636
January, 1973	28,100	34,940	69,437	132,477
January, 1974	23,006	47,085	65,553	135,644

NOTE: December, 1973 corrections: [1]744,200 [3]2,722,984
[2]1,344,371 [4]4,765,179

PERCENTAGE OF CRUDE OIL REFINED

	Montana	Canada	Wyoming
Year 1973	19.02%	31.13%	49.85%
January, 1973	21.21%	26.37%	52.42%
January, 1974	16.96%	34.72%	48.32%